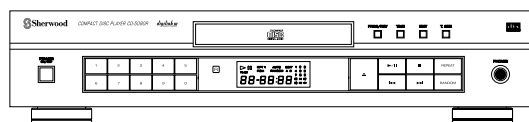


OPERATING INSTRUCTIONS
BEDIENUNGSANLEITUNG
ISTRUZIONI PER L'USO
MANUAL DE INSTRUCCIONES



CD-5090C/R

Compact Disc Player
Compact Disc-Spieler
Lettore compact disc
Reproductor de Discos Compactos

 **Sherwood**

CE



Introduction

UNPACKING AND INSTALLATION

ENGLISH

Congratulations on your purchase!

Your new high fidelity Compact Disc Player is designed to deliver maximum enjoyment and years of trouble free service.

Please take a few moments to read this manual thoroughly. It will explain the features and operation of your unit and help ensure a trouble free installation.

Please unpack your unit carefully. We recommend that you save the carton and packing material. They will be helpful if you ever need to move your unit and may be required if you ever need to return it for service. Your unit is designed to be placed in a horizontal position and it is important to allow at least two inches of space behind your unit for adequate ventilation and cabling convenience.

To avoid early damage, never place the unit near radiators, in front of heating vents, in direct sunlight, in excessively humid or dusty locations or near sources of strong magnetic fields. Connect your complementary components as illustrated in the following section.



CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



**CAUTION : TO REDUCE THE RISK
OF ELECTRIC SHOCK, DO NOT
REMOVE COVER(OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO
QUALIFIED SERVICE PERSONNEL.**



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING

To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

**CLASS 1
LASER PRODUCT**

CAUTION

Invisible laser radiation when the unit is open. Do not stare into beam.

CAUTION : USE OF ANY CONTROLS, ADJUSTMENTS, OR PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

READ THIS BEFORE OPERATING YOUR UNIT

FOR U.S.A. AND CANADA 120 V

FOR YOUR SAFETY

Units shipped to the U.S.A. and Canada are designed for operation on 120 V AC only.

Safety precaution with use of a polarized AC plug. However, some products may be supplied with a nonpolarized plug.

CAUTION : To prevent electric shock, match wide blade of plug to wide slot, fully insert.

ATTENTION : Pour éviter les choc électriques, introduire la lame la plug large de la borne correspondante de la prise et pousser jusqu'au fond.

FOR U.S.A.

■ FCC INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures :

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio TV technician for help.

CAUTION : Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FOR EUROPE AND AUSTRALIA 230 V/240 V

FOR YOUR SAFETY

Units shipped to Australia are designed for operation on 240 V AC only.

To ensure safe operation the three-pin plug supplied must be inserted only into a standard three-pin power point which is effectively earthed through the normal household wiring. Extension cords used with the equipment must be three-core and be correctly wired to provide connection to earth. Improper extension cords are a major cause of fatalities.

The fact that the equipment operates satisfactorily does not imply that the power point is earthed and that the installation is completely safe. For your safety, if in any doubt about the effective earthing of the power point, consult a qualified electrician.

PAN-EUROPEAN UNIFIED VOLTAGE

All units are suitable for use on supplies 230 - 240 V AC.

FOR OTHER COUNTRIES 110 V/220 V

FOR YOUR SAFETY

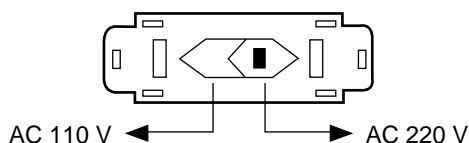
Units shipped to countries other than the above countries are equipped with an AC voltage selector switch on the rear panel. Refer to the following paragraph for the proper setting of this switch.

AC VOLTAGE SELECTION

This unit operates on 110 - 220 V AC. The AC voltage selector switch on the rear panel is set to the voltage that prevails in the area to which the unit is shipped.

Before connecting the power cord to your AC outlet, make sure that the setting position of this switch matches your line voltage. If not, it must be set to your voltage in accordance with the following direction.

AC voltage selector switch



Move switch lever to match your line voltage with a small screwdriver or other pointed tool.

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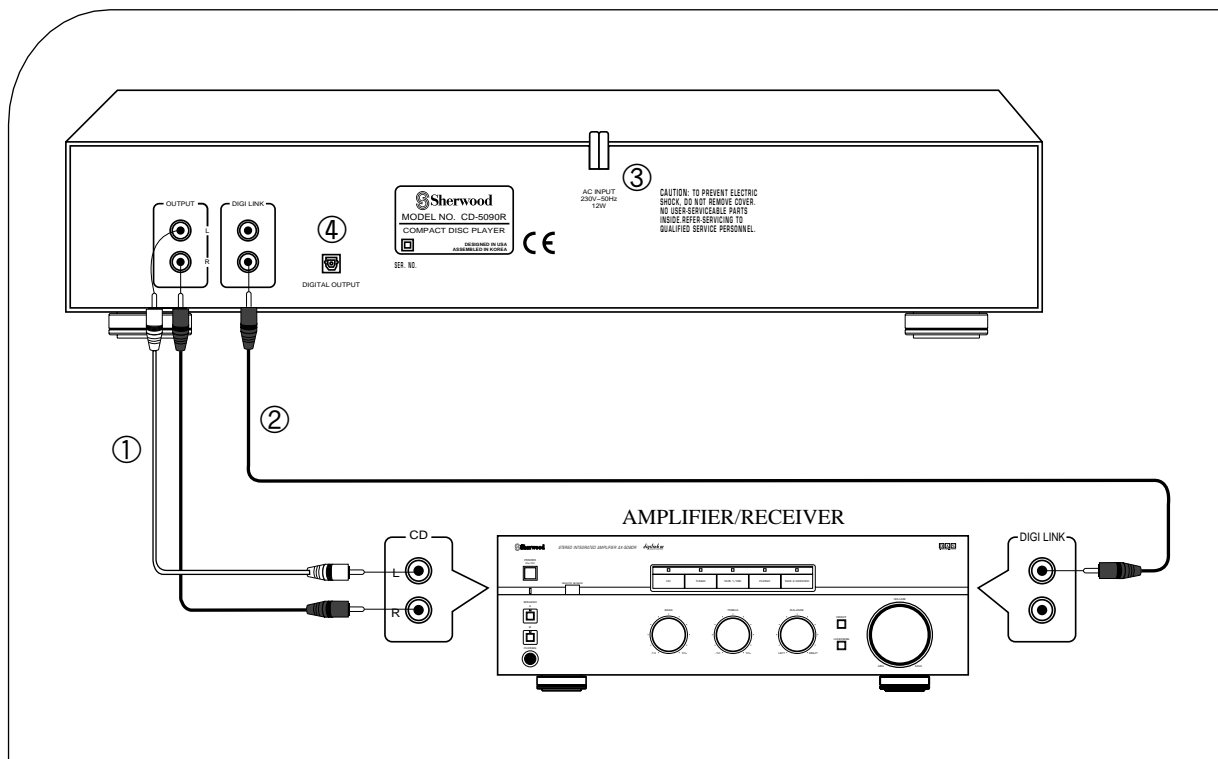
- PLAYING A DISC 11
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System Connections

- Do not plug the AC input cord into the AC outlet when making connections.
- Be sure to connect the white plugs to the L(Left) and the red plugs to the R(Right) jacks when making connections with the supplied cords.
- Refer to the connecting diagram in the operating instructions of AMPLIFIER/RECEIVER.



① OUTPUT JACKS

Connect these jacks to the CD(or AUX) input jacks of your amplifier such as AX-5090R or receiver.

② DIGI LINK III JACKS

Connect this jack to the DIGI LINK jack of Sherwood amplifier such as AX-5090R bearing the DIGI LINK III or II mark to control this unit remotely by DIGI LINK System.

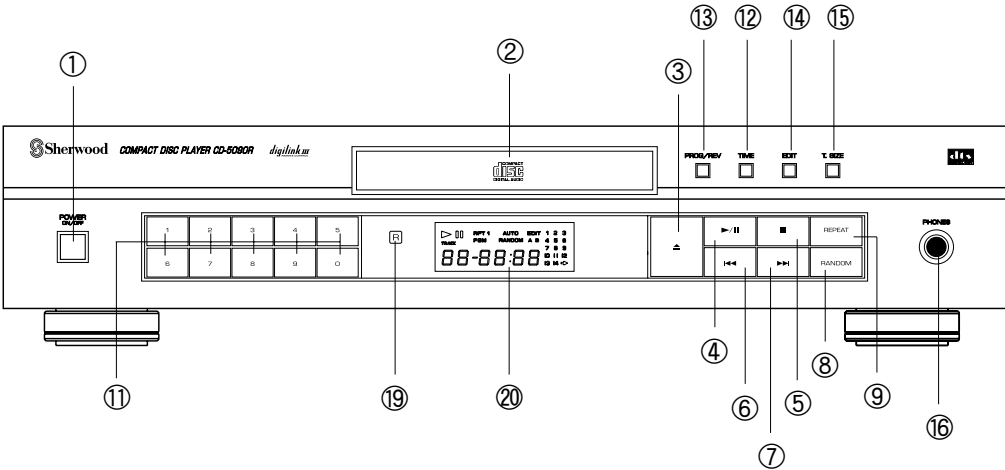
③ AC INPUT CORD

Plug this cord into a house hold AC outlet or the switched AC outlet of amplifier such as AX-5090R.

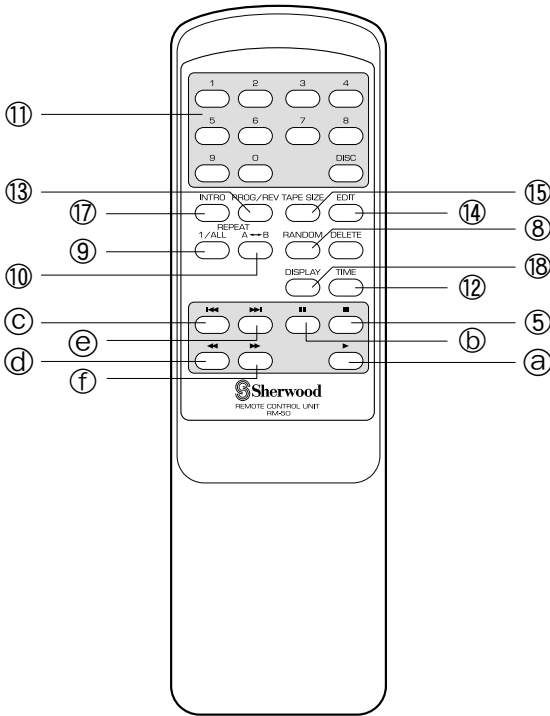
④ DIGITAL OUTPUT

- Digital output should be connected to digital input of amplifier or receiver to enjoy live digital sound.
- You can record digital sound by connecting digital input of Mini Disc Recorder to this jack.
- When making OPTICAL DIGITAL connection, do it after removing cap.
Insert cap when not using the OPTICAL DIGITAL jack.

FRONT PANEL CONTROLS



REMOTE CONTROLS(ONLY FOR CD-5090R)



① POWER SWITCH

Press this switch to turn the power on and press again to turn the power off.

For system operation, plug the AC input cord into the switched AC outlet on amplifier or receiver, keep the POWER switch ON and control power ON/OFF with the power operation on the amplifier or receiver.

② DISC TRAY

Load a compact disc on the disc tray.

③ OPEN/CLOSE BUTTON()

Press this button to open or close the disc tray.

④ PLAY/PAUSE BUTTON()

Ⓐ Press this button to start play in the stop or pause mode.

Ⓑ Press this button to interrupt play temporarily and press again to restart play.

⑤ STOP/CLEAR BUTTON()

Press this button to stop play, clear the programmed tracks.

⑥ BACKWARD SKIP/SEARCH BUTTON(/)

Ⓒ Press this button to replay from the beginning of the current track or return to a previous track.

Ⓓ Press and hold down this button search for a specific passage in fast backward.

⑦ FORWARD SKIP/SEARCH BUTTON(/)

Ⓔ Press this button to play from the beginning of a next track.

Ⓕ Press and hold down this button to search for a specific passage in fast forward.

⑧ RANDOM PLAY BUTTON

Press this button to play tracks on a CD in random sequence.

⑨ REPEAT 1/ALL BUTTON

Press this button to play a track or all tracks repeatedly.

⑩ REPEAT A↔B BUTTON

Press this button to play a specific passage repeatedly.

⑪ NUMERIC BUTTONS

Press the corresponding button when selecting tracks for play or programming, then the selected track is played or programmed directly without the use of the PLAY or PROGRAM/REVIEW button.

⑫ TIME BUTTON

Press this button to display the elapsed or remaining playing time of the current track or remaining playing time of the disc.

⑬ PROGRAM/REVIEW BUTTON

Press this button to program your favorite tracks or review the programmed tracks.

⑭ EDIT BUTTON

Press this button to edit the tracks to be recorded onto the tape.

⑮ TAPE SIZE BUTTON

Use this button to select the tape length.

⑯ HEADPHONE JACK

Stereo headphones can be plugged into this jack for private listening.

⑰ INTROSCAN BUTTON

Press this button to play the first 10 seconds of each track on a CD.

⑱ DISPLAY BUTTON

Press this button to change the brightness of the display.

⑲ REMOTE SENSOR(ONLY FOR CD-5090R)

This receives the signals from the remote control.

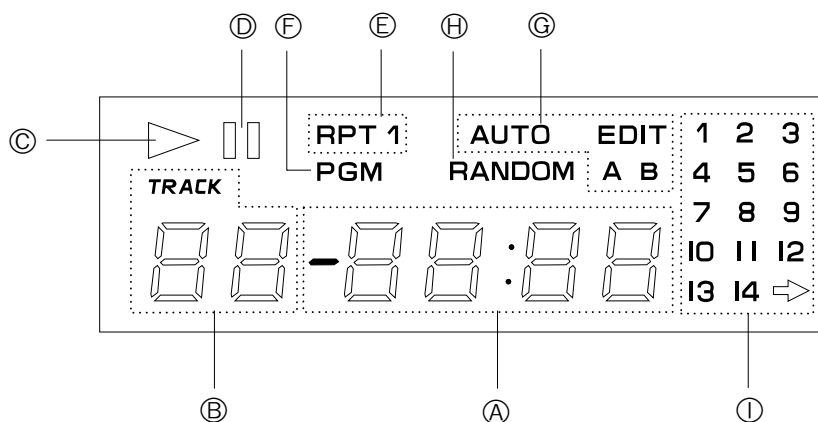
⑳ FLUORESCENT DISPLAY

For details, refer to the next page.

■ Note

On the remote control, the DISC and DELETE buttons are not available for this unit.

■ FLUORESCENT DISPLAY



- Ⓐ TIME DISPLAY
- Ⓑ TRACK NUMBER DISPLAY
- Ⓒ PLAY INDICATOR
- Ⓓ PAUSE INDICATOR
- Ⓔ REPEAT PLAY INDICATORS

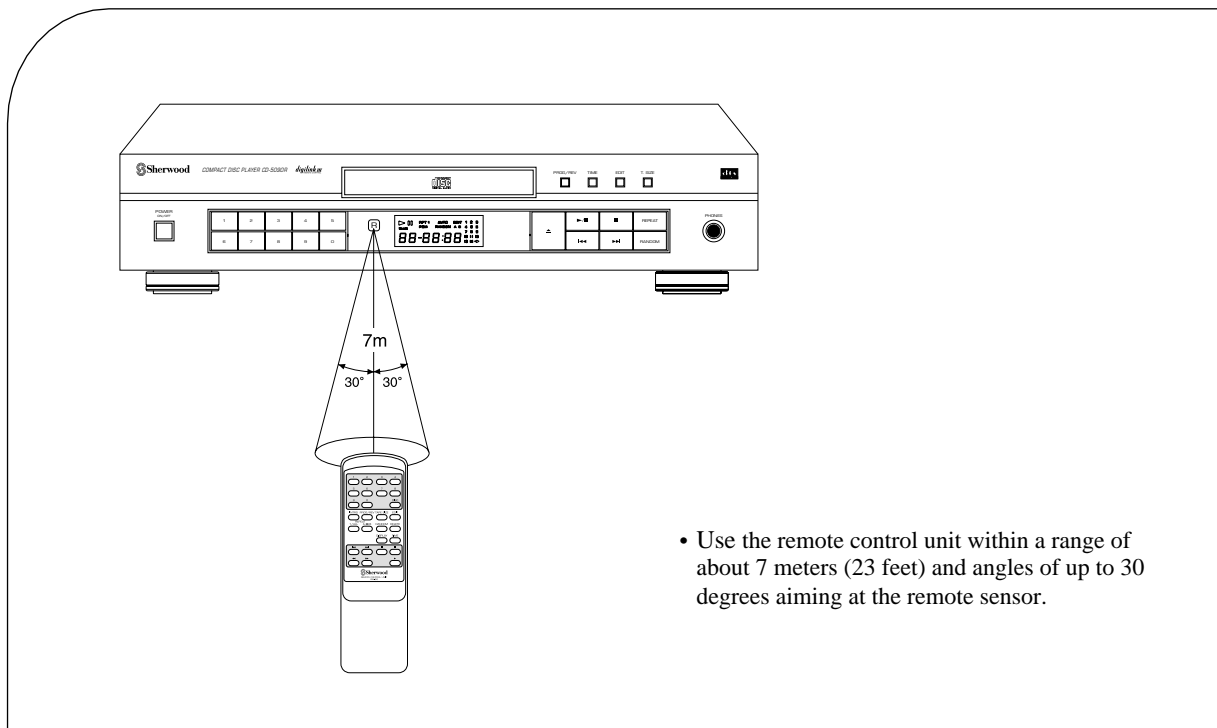
- Ⓕ PROGRAM INDICATOR
- Ⓖ EDIT DISPLAY
- Ⓗ RANDOM PLAY INDICATOR
- Ⓘ MUSIC CALENDAR DISPLAY

※ DIGI LINK SYSTEM REMOTE CONTROL

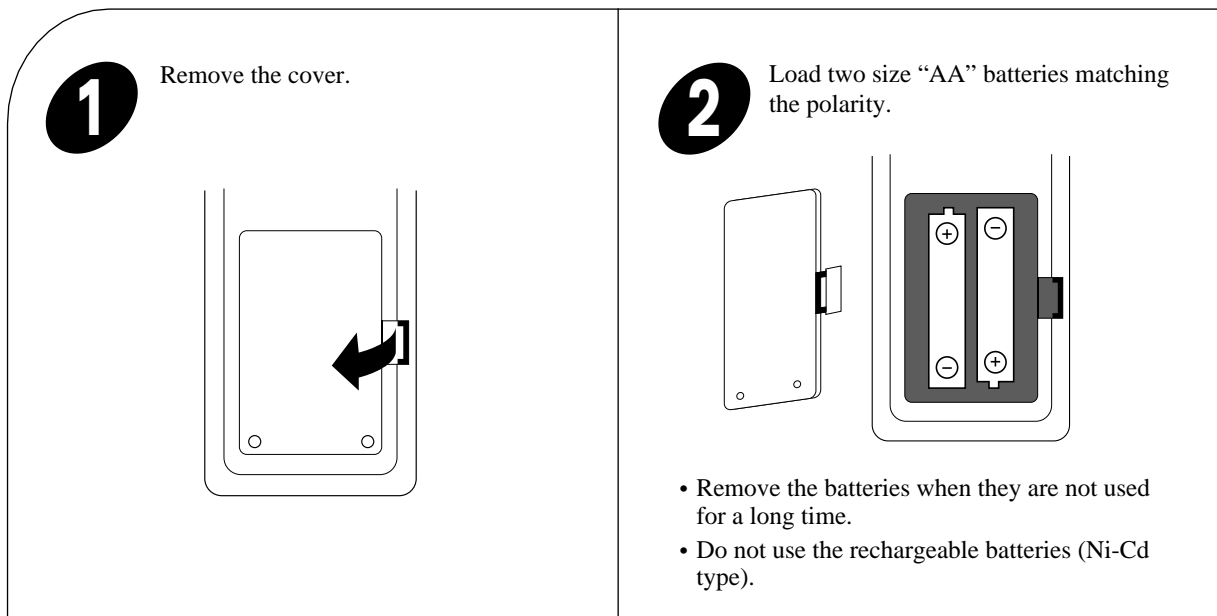
This unit can be remotely controlled with Sherwood DIGI LINK III amplifier such as AX-5090R or receiver.

- For available functions, refer to the compatible unit's operating instructions.
- To listen to a CD by DIGI LINK system, first make DIGI LINK connection between this unit and the Sherwood compatible amplifier such as AX-5090R or receiver.

■ REMOTE CONTROL OPERATION RANGE (ONLY FOR CD-5090R)



■ LOADING BATTERIES (ONLY FOR CD-5090R)



Before Operation

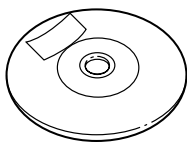
- Only compact discs bearing this mark can be reproduced.



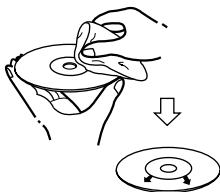
- In handling a disc, hold it carefully with edges.



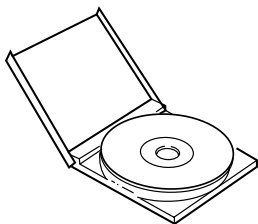
- Do not stick paper or write anything on the printed surface.



- Fingermarks and dust on the recorded surface should be carefully wiped off with a soft cloth. Wipe straight from the inside to the outside of the disc.

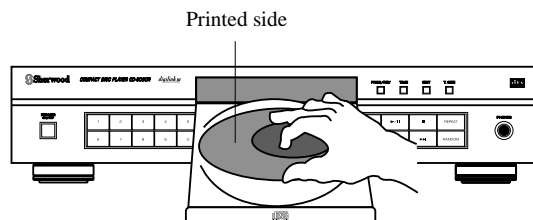


- Always keep the discs in their cases after use to protect them from dust and scratches.



■ Notes

- Do not expose discs to direct sunlight, high humidity or high temperature for a long time.
- When loading or unloading a disc in the disc tray, always place it with the printed side up.



- The DTS logo on the front means that the CD encoded with the DTS signal can be heard in DTS mode when this digital out is connected to the digital input of the amplifier with the DTS decoder, etc..



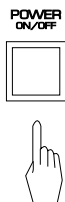
- "DTS" and "DTS Digital Surround" are trademarks of Digital Theater Systems, Inc.

Operations

PLAYING A DISC

1

Turn the power on.



2

Load a disc and close the tray.



- “→” indicator lights up when the number of tracks is more than 14.
- When the CD door is kept opened, if it elapsed over 60 seconds, the CD door will be closed automatically.
- 8 cm(3 inch) CDs can be loaded on the inside circle of the tray, too.

■ Notes

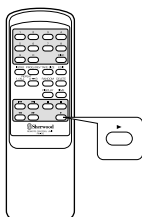
Do not open or close the tray by force.
Doing so may damage it.

3

To start play.



or



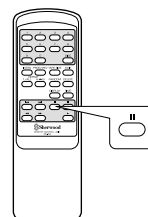
- “▶” indicator lights up.
- The unit plays from the first track to the last track.

4

To interrupt play temporarily.



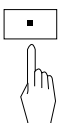
or



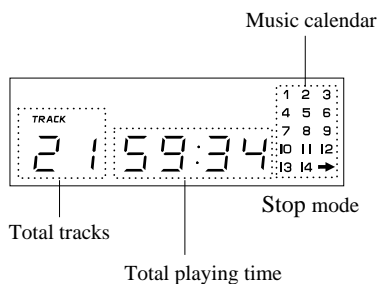
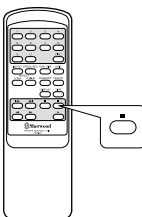
- “||” indicator lights up.
- Press this button again to restart play.

5

To stop play.



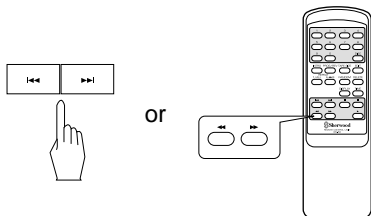
or



SEARCH AND SKIP PLAY

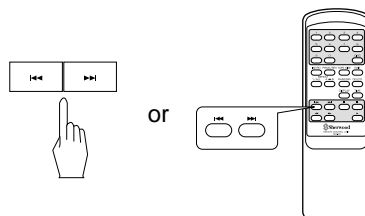
Searching for a passage during play

- Press and hold down these buttons until the desired passage is reached.



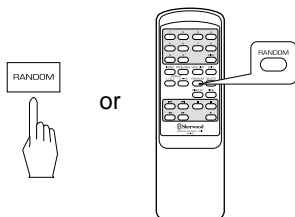
Selecting a track during play

- Press the button momentarily and repeatedly until the desired track is selected.



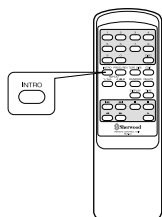
- When using the NUMERIC buttons on the remote control or on the front panel.
Example) When selecting "9" : 9
When selecting "22" : 2 → 2 within 2 sec.

PLAYING A DISC IN RANDOM SEQUENCE (RANDOM PLAY)



- "RANDOM" indicator lights up.
- The unit automatically selects and plays tracks on the disc in random sequence.
- Press again to cancel random play.

PLAYING THE FIRST 10 SECONDS OF EACH TRACK (INTROSCAN PLAY) (ONLY FOR CD-5090R)

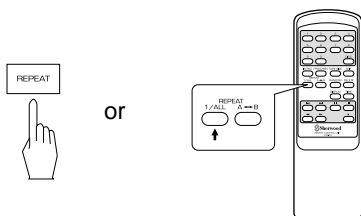


- "▶" indicator is flickering.
- The unit plays the first 10 seconds of each track.
- Press again to cancel the introsan play.

REPEAT PLAY

Repeating all tracks during play

- If this button is pressed once, all tracks are played repeatedly.

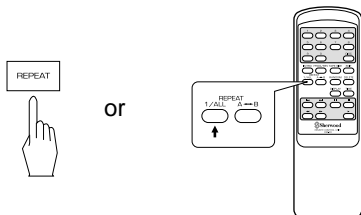


- Each time this button is pressed, the repeat mode changes as follows ;

→ RPT → RPT 1 → OFF →

Repeating a single track during play

- At the desired track, press again in the repeat all mode.

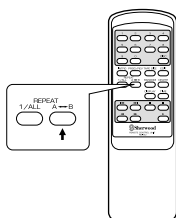


- Press again to cancel the repeat play.

Repeating a specific passage during play (Only for CD-5090R)

1

At the beginning of the desired passage, press this button.



- “RPT” indicator lights up and “A” indicator is flickering.

2

At the end of the desired passage, press this button again, then “B” indicator lights up and the desired passage is played repeatedly.

- Press again to cancel the repeat play.

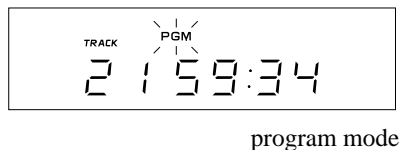
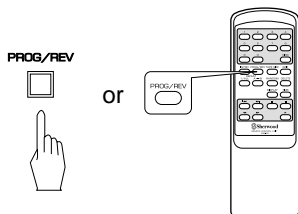
PLAYING TRACKS IN ANY SEQUENCE (PROGRAMMED PLAY)

- Up to 20 tracks can be programmed to play in any desired sequence.
- The track number greater than 99 can not be memorized.

Programming the tracks on a CD

1

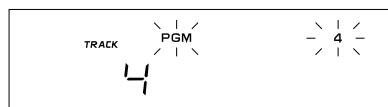
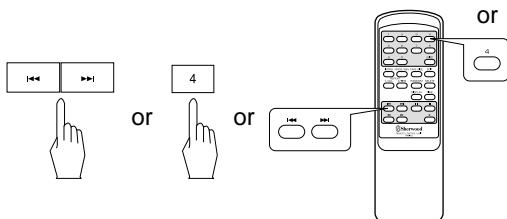
In the stop mode, enter the program mode.



2

Select the desired track.

Example) When selecting track 4.

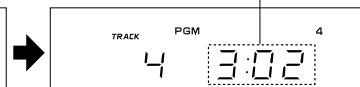
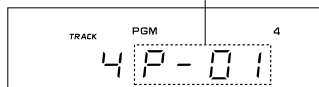
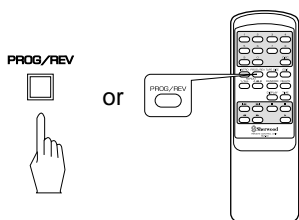


3

Store the selected track in the memory.

Programmed sequence

Total playing time of the programmed tracks



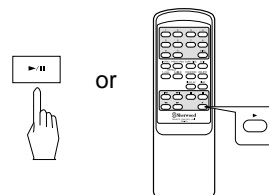
- When selecting a track with the NUMERIC buttons, the selected track is stored automatically without pressing the PROGRAM/REVIEW button.

4

Repeat the above steps 2 and 3 until the desired program is completed.

5

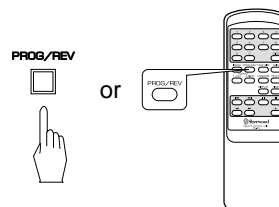
Start the programmed play.



- During the programmed play, when the NUMERIC button is pressed, normal play will start from the selected track without clearing your programmed tracks.
- To return to the program mode (meaning "PGM" lights up in the stop mode), press the PROGRAM/REVIEW button in the stop mode.

Checking the programmed tracks

- Each time the PROGRAM/REVIEW button is pressed in the program mode (meaning "PGM" lights up in the stop mode), the programmed tracks will appear in the programmed sequence.

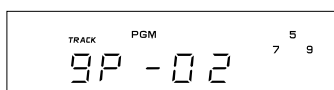
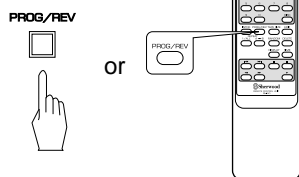


Rectifying any wrong programmed track

Example) When track 5, 9 and 7 are programmed and you want to replace track 9 with track 10.

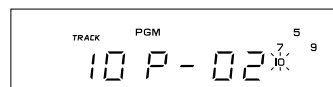
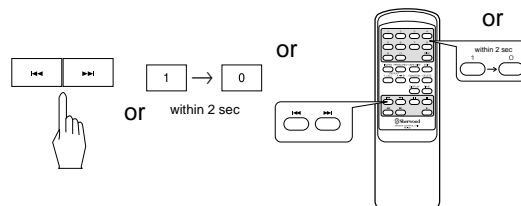
1

Find track 9 in the program mode.



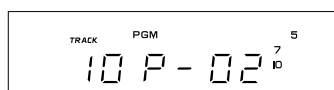
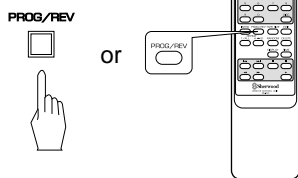
2

Select track 10.



3

Store the desired track in the memory.

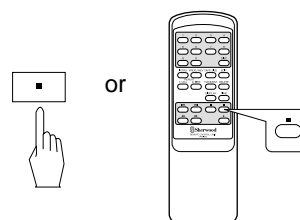


- When selecting a track with the NUMERIC buttons, the selected track is stored automatically without the PROGRAM/REVIEW button.

Clearing the programmed tracks

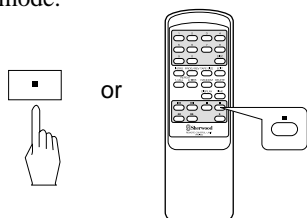
■ To clear one by one

- Each time this button is pressed in the program mode, the programmed tracks are cleared one by one in the opposite sequence.



■ To clear all programmed tracks.

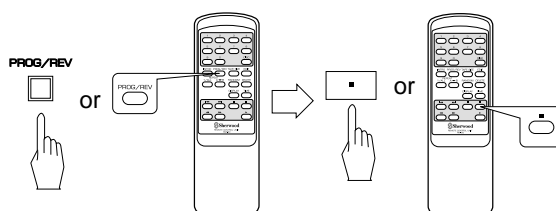
- Press this button for more than 4 seconds in the program mode.



- Or press OPEN/CLOSE button().

■ To clear a specific track.

- Find the desired track and clear it in the program mode.



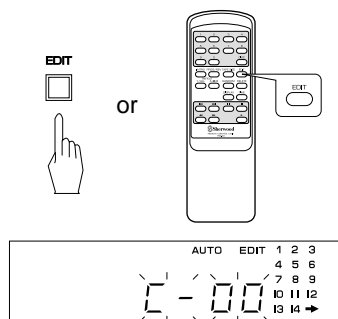
EDITING FOR RECORDING

- Up to 20 tracks for auto and manual edit can be edited according to the tape length.

Making auto edit

1

In the stop mode, select the auto edit mode.



- Each time this button is pressed, the edit mode changes as follows ;

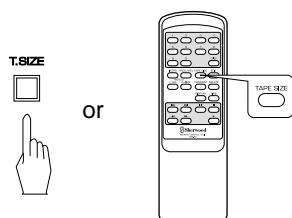
→ AUTO EDIT → MANUAL EDIT → OFF

- In the edit mode, the auto space function, leaving a 4 second blank space between the tracks, is automatically activated for the automatic music search function on the Sherwood DIGI-LINK III cassette deck such as DD-5090C.

2

Select the desired tape length.

Example) When the tape length is 46 minutes.

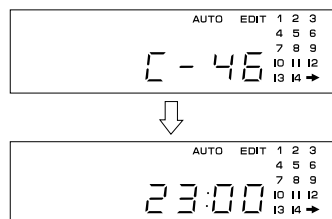


- Each time this button is pressed, the tape length changes as follows ;

→ C-46 → C-54 → C-60 → C-74 → C-90 → C 120

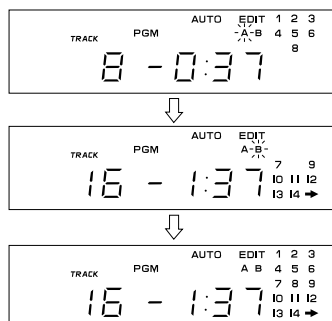
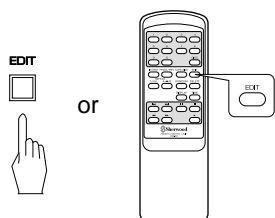
- You can select the tape length at your option with the NUMERIC buttons.
Example) When the tape length of each side is 23 minutes.

2 → 3 → 0 → 0



3

Edit the tracks to be recorded.



The edited tracks on the side A.

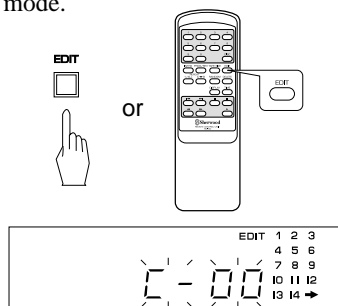
The edited tracks on the side B.

The auto edit is completed.

Making manual edit

1

In the stop mode, select the manual edit mode.

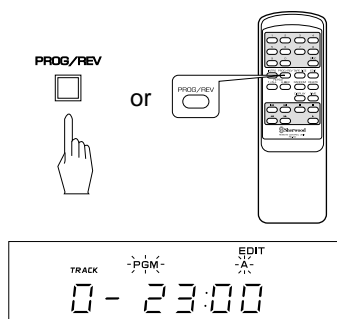


2

Select the tape length like the auto edit.

3

Press the PROGRAM/REVIEW button to manually edit the tracks to be recorded.



4

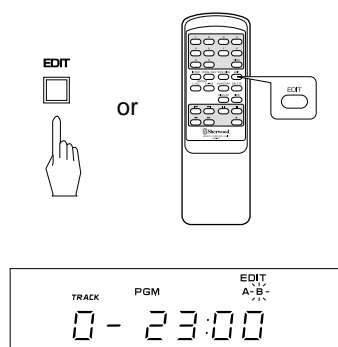
Edit the tracks for the side A repeating steps 2 and 3 in “PLAYING TRACKS IN ANY SEQUENCE(PROGRAMMED PLAY)” procedure on page 14.

■ Notes

- During manual edit, if the “-” indicator in the time display disappears and “→” flickers, it means that the total time of the edited tracks exceeds the tape length. So you should edit again.
- When a track with a number greater than 30 is edited, the time display may show “---:--”.

5

Press the EDIT button to start editing for the side B.



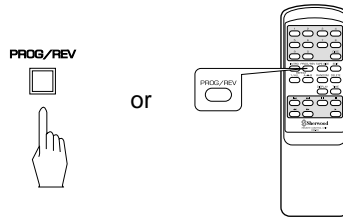
6

Edit the tracks for the side B in the same manner.

- If the PLAY button is pressed after editing the tracks, play starts from the first track of the side A for recording.
- If all tracks of the side A have been played, press the PLAY button to start play from the first track of the side B for recording.
- When this unit is connected to Sherwood compatible cassette deck such as DD-5090C controlled remotely by DIGI LINK system, if using the CD synchro record function on the DD-5090C, recording a CD is easier. (refer to the DD-5090C's operating instruction)

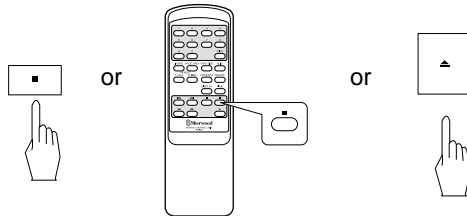
Checking the edited tracks

- In the edit mode, check as you do the programmed tracks. (refer to “Checking the programmed tracks” on page 15)



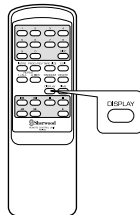
Clearing all edited tracks

- In the edit mode, press the STOP/CLEAR button for more than 4 seconds or open the tray.



- In the manual edit mode only, you can clear or rectify the edited tracks like “Rectifying any wrong programmed tracks” or “Clearing the programmed tracks” on page 15.

SELECTING A BRIGHTNESS OF THE DISPLAY (ONLY FOR CD-5090R)



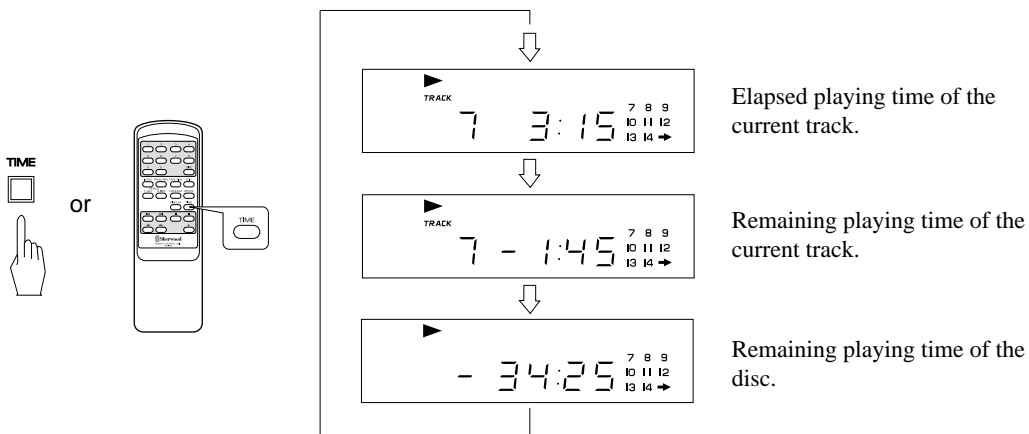
- Each time this button is pressed, the brightness of the display changes as follows ;

→ ON → DIM → OFF →

- In the display OFF mode, pressing any button will restore the display ON mode.

SELECTING A TIME DISPLAY

- Each time this button is pressed during play, time display changes as follows ;



- During random play, etc., the time display may show “---:--”.
- When a track of which number is greater than 30 is programmed, edited or being played, the time display may show “---:--”.

USING THE HEADPHONES

- For private listening, insert a plug of the headphone into the PHONES jack.



Troubleshooting Guide

If your unit does not perform as expected, consult the table below to see if the problem can be corrected before seeking help from your dealer or our service organization.

PROBLEM	POSSIBLE CAUSE	REMEDY
No power	<ul style="list-style-type: none"> The AC input cord is disconnected. The POWER switch is not pressed correctly. 	<ul style="list-style-type: none"> Connect the cord securely. Press the POWER switch ON.
No play	<ul style="list-style-type: none"> The disc is loaded upside down. Dirty disc. Defective or deeply scratched disc. 	<ul style="list-style-type: none"> Reload the disc with the printed side up. Clean the disc. Load another disc.
No sound	<ul style="list-style-type: none"> Incorrect connections. Incorrect operation of the amplifier. The “II” indicator lights up. 	<ul style="list-style-type: none"> Make connections correctly. Operate the amplifier correctly. Press the “▲” button to cancel the pause mode.
Poor or distorted sound	<ul style="list-style-type: none"> The unit is connected to the PHONO input jacks of the amplifier. Poor connections. 	<ul style="list-style-type: none"> Make connections correctly. Check the connections and connect all cords securely.
Sound skips	<ul style="list-style-type: none"> Defective or deeply scratched disc. This unit is placed on a surface that is subject to vibration or physical shock. 	<ul style="list-style-type: none"> Play another disc. Place this unit on a stable surface.
Programming does not perform.	<ul style="list-style-type: none"> The disc is dirty or badly scratched. The programming procedure is not correct. The number of the programmed tracks is 20. 	<ul style="list-style-type: none"> Try again with a scratch-free disc. Try again. Check the number of the programmed tracks.

Specifications

■ SYSTEM Compact Disc Digital Audio

■ TYPICAL AUDIO PERFORMANCES

• Number of channels	2
• Frequency range, 20 - 20,000 Hz	± 0.5 dB
• Signal to noise ratio, A Wtd.	110 dB
• Dynamic range	95 dB
• Total harmonic distortion, 1 kHz	0.005 %
• Wow and flutter	Quartz crystal precision
• Audio output level	2 V RMS
• Digital output	
Optical, wavelength 660 nm	- 15 ~ -20 dBm

■ OPTICAL READOUT SYSTEM

• LASER	Semiconductor AlGaAs
• Wave length	760 - 800 nm
• Numerical aperture	0.45

■ SIGNAL FORMAT

• Sampling Frequency	44.1 kHz
• D/A Conversion	1 bit P.L.M. D/A Conversion
• Oversampling	8 times

■ GENERAL

• Power supply	230 V, 50 Hz
• Power Consumption	12 W
• Dimension (W x H x D)	440 x 95 x 250 mm (17-5/16x3-3/4x9-13/16 inches)
• Weight(NET)	3.5 Kg (7.8 lbs)

Note : Design and specifications are subject to change without notice for improvements.

